

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L6	0	(29/623.1623.3,623.5).ccls. and ((cut or cutting or cutter) near (sheet or membrane or web)) and ((suction or vacuum) near (moving or movable or moveable or move or moved or conveyor or belt)) and (camera or optical or video) and ((sheet or membrane or web) near (thick or thickness))	US-PGPUB; USPAT; IBM_TDB	OR	ON	2006/09/22 16:38
L9	1	(29/623.1623.3,623.5).ccls. and ((cut or cutting or cutter) with (sheet or membrane or web)) and ((suction or vacuum) same (moving or movable or moveable or move or moved or conveyor or belt)) and (camera or optical or video)	US-PGPUB; USPAT; IBM_TDB	OR	ON	2006/09/22 16:39
L10	15	(29/411,730,832).ccls. and ((cut or cutting or cutter) with (sheet or membrane or web)) and ((suction or vacuum) same (moving or movable or moveable or move or moved or conveyor or belt)) and (camera or optical or video)	US-PGPUB; USPAT; IBM_TDB	OR	ON	2006/09/22 16:37
L11	9	(29/411,730,832).ccls. and ((cut or cutting or cutter) with (sheet or membrane or web)) and ((suction or vacuum) with (moving or movable or moveable or move or moved or conveyor or belt)) and (camera or optical or video)	US-PGPUB; USPAT; IBM_TDB	OR	ON	2006/09/22 16:38
L12	6	(29/411,730,832).ccls. and ((cut or cutting or cutter) near (sheet or membrane or web)) and ((suction or vacuum) near (moving or movable or moveable or move or moved or conveyor or belt)) and (camera or optical or video)	US-PGPUB; USPAT; IBM_TDB	OR	ON	2006/09/22 16:39
L15	1	(198/449).ccls. and ((cut or cutting or cutter) with (sheet or membrane or web)) and ((suction or vacuum) same (moving or movable or moveable or move or moved or conveyor or belt)) and (camera or optical or video)	US-PGPUB; USPAT; IBM_TDB	OR	ON	2006/09/22 16:39

## EAST Search History

L16	4	(271/5,9.04).cccls. and ((cut or cutting or cutter) with (sheet or membrane or web)) and ((suction or vacuum) same (moving or movable or moveable or move or moved or conveyor or belt)) and (camera or optical or video)	US-PGPUB; USPAT; IBM_TDB	OR	ON	2006/09/22 16:40
L17	3	(414/789.6,793.1).cccls. and ((cut or cutting or cutter) with (sheet or membrane or web)) and ((suction or vacuum) same (moving or movable or moveable or move or moved or conveyor or belt)) and (camera or optical or video)	US-PGPUB; USPAT; IBM_TDB	OR	ON	2006/09/22 16:40
L18	3	(430/256,258).cccls. and ((cut or cutting or cutter) with (sheet or membrane or web)) and ((suction or vacuum) same (moving or movable or moveable or move or moved or conveyor or belt)) and (camera or optical or video)	US-PGPUB; USPAT; IBM_TDB	OR	ON	2006/09/22 16:41
S1	2	apparatus adj method adj converting adj fuel adj cell	US-PGPUB; USPAT; IBM_TDB	OR	ON	2006/07/25 14:57
S2	14	((("2710234") or ("3359046") or ("3380788") or ("3477558") or ("4286467") or ("4819928") or ("5031002") or ("5061337") or ("5063415") or ("5133543") or ("6059003") or ("6224203") or ("6405779") or ("6419217"))).PN.	US-PGPUB; USPAT; USOCR; IBM_TDB	OR	OFF	2003/12/17 18:29
S3	0	apparatus adj cutting adj conveying adj sheet	US-PGPUB; USPAT; IBM_TDB	OR	ON	2003/12/17 18:40
S4	570	(apparatus or machine or device or equipment) same cutting same conveying same sheet	US-PGPUB; USPAT; IBM_TDB	OR	ON	2003/12/17 18:57
S5	282	(apparatus or machine or device or equipment) with cutting with conveying with sheet	US-PGPUB; USPAT; IBM_TDB	OR	ON	2003/12/17 18:42
S6	84	(apparatus or machine or device or equipment) with cutting with conveying with sheet and vacuum	US-PGPUB; USPAT; IBM_TDB	OR	ON	2003/12/17 18:42
S7	5	(apparatus or machine or device or equipment) with cutting with conveying with sheet and vacuum and robot	US-PGPUB; USPAT; IBM_TDB	OR	ON	2003/12/17 18:43

## EAST Search History

S8	79	(apparatus or machine or device or equipment) with cutting with conveying with sheet and vacuum and (cut or cutter)	US-PGPUB; USPAT; IBM_TDB	OR	ON	2003/12/17 18:44
S9	20	(apparatus or machine or device or equipment) with cutting with conveying with sheet and vacuum and (cut or cutter) and controller	US-PGPUB; USPAT; IBM_TDB	OR	ON	2003/12/17 18:44
S10	0	(apparatus or machine or device or equipment or system) with cutting with conveying with sheet and vacuum and (cut or cutter) and controller and (fuel adj cell)	US-PGPUB; USPAT; IBM_TDB	OR	ON	2003/12/17 18:45
S11	20	(apparatus or machine or device or equipment or system) with cutting with conveying with sheet and vacuum and (cut or cutter) and controller	US-PGPUB; USPAT; IBM_TDB	OR	ON	2003/12/17 18:46
S12	28	(apparatus or machine or device or equipment) same cutting same conveying same sheet and vacuum and (cut or cutter) and controller	US-PGPUB; USPAT; IBM_TDB	OR	ON	2003/12/17 19:25
S13	116	(apparatus or machine or device or equipment) same cutting same conveying same sheet and vacuum and (cut or cutter) and (robot or control or controlled or controller)	US-PGPUB; USPAT; IBM_TDB	OR	ON	2003/12/17 19:25
S14	435	(apparatus or machine or device or equipment) same cutting same sheet same web and vacuum and (cut or cutter) and (robot or control or controlled or controller)	US-PGPUB; USPAT; IBM_TDB	OR	ON	2003/12/17 19:26
S15	185	(apparatus or machine or device or equipment) with cutting with sheet with web and vacuum and (cut or cutter) and (robot or control or controlled or controller)	US-PGPUB; USPAT; IBM_TDB	OR	ON	2003/12/17 19:27
S16	3	(apparatus or machine or device or equipment) with cutting with sheet with web and vacuum and (cut or cutter) and (robot or control or controlled or controller) and (fuel adj cell)	US-PGPUB; USPAT; IBM_TDB	OR	ON	2003/12/17 19:35

## EAST Search History

S17	27	("4118024"   "4190241"   "4286486"   "4753703"   "4841712"   "4897917"   "5009744"   "5019469"   "5100746"   "5104116"   "5209810"   "5360684"   "5364485"   "5480087"   "5514232"   "5536278"   "5584954"   "5740661"   "5772838"   "5788802"   "5879489"   "5922168"   "5938890"   "6139004"   "6211991"   "6227541"   "6379098").PN.	USPAT	OR	ON	2003/12/17 19:31
S18	2	(apparatus or machine or device or equipment or system) with (cut or cutting) with sheet with web and vacuum and (cutter) and (robot or control or controlled or controller) and (fuel adj cell)	US-PGPUB; USPAT; IBM_TDB	OR	ON	2006/09/22 11:05
S19	4	(apparatus or machine or device or equipment or system) with (cut or cutting) with sheet with web and vacuum and (cut or cutter) and (robot or control or controlled or controller) and (fuel adj cell)	US-PGPUB; USPAT; IBM_TDB	OR	ON	2003/12/17 19:38
S20	8	(apparatus or machine or device or equipment or system) with (cut or cutting) with web and vacuum and (cut or cutter) and (robot or control or controlled or controller) and (fuel adj cell)	US-PGPUB; USPAT; IBM_TDB	OR	ON	2003/12/17 19:44
S21	7	"5443602".URPN.	USPAT	OR	ON	2003/12/17 19:40
S22	1	"6134773".URPN.	USPAT	OR	ON	2003/12/17 19:43
S23	12	(apparatus or machine or device or equipment or system) with (cut or cutting) with web and vacuum and (cut or cutter) and (robot or control or controlled or controller) and ((electrochemical or fuel) adj cell)	US-PGPUB; USPAT; IBM_TDB	OR	ON	2003/12/17 19:45
S24	553	(29/623.1,623.3,730,731,722,729). ccls. and ((electrochemical or fuel) adj cell)	US-PGPUB; USPAT; IBM_TDB	OR	ON	2003/12/17 19:47
S25	4	(29/623.1,623.3,730,731,722,729). ccls. and ((electrochemical or fuel) adj cell) with (cut or cutting) with web and vacuum and (cut or cutter) and (robot or control or controlled or controller)	US-PGPUB; USPAT; IBM_TDB	OR	ON	2003/12/18 08:33

## EAST Search History

S26	4	("429"/\$).ccls. and ((electrochemical or fuel) adj cell) with (cut or cutting) with web and vacuum and (cut or cutter) and (robot or control or controlled or controller)	US-PGPUB; USPAT; IBM_TDB	OR	ON	2003/12/17 20:18
S27	1	("493"/\$).ccls. and ((electrochemical or fuel) adj cell) with (cut or cutting) with web and vacuum and (cut or cutter) and (robot or control or controlled or controller)	US-PGPUB; USPAT; IBM_TDB	OR	ON	2003/12/17 20:18
S28	2	("270"/\$).ccls. and ((electrochemical or fuel) adj cell) with (cut or cutting) with web and vacuum and (cut or cutter) and (robot or control or controlled or controller)	US-PGPUB; USPAT; IBM_TDB	OR	ON	2003/12/17 20:18
S29	2	(270/30.08,52.09).ccls. and ((electrochemical or fuel) adj cell) with (cut or cutting) with web and vacuum and (cut or cutter) and (robot or control or controlled or controller)	US-PGPUB; USPAT; IBM_TDB	OR	ON	2003/12/17 20:19
S30	0	(29/&).ccls. and ((electrochemical or fuel) adj cell) with (cut or cutting) with web and vacuum and (cut or cutter) and (robot or control or controlled or controller) and (vision or view or camera or video or eye or visual or optic or optical or optique)	US-PGPUB; USPAT; IBM_TDB	OR	ON	2003/12/17 20:35
S31	11	((electrochemical or fuel) adj cell) with (cut or cutting) with web and vacuum and (cut or cutter) and (robot or control or controlled or controller) and (vision or view or camera or video or eye or visual or optic or optical or optique)	US-PGPUB; USPAT; IBM_TDB	OR	ON	2003/12/17 20:54
S32	1	("5566447").PN.	US-PGPUB; USPAT; USOCR; IBM_TDB	OR	OFF	2003/12/17 21:18
S33	1	("5383270").PN.	US-PGPUB; USPAT; USOCR; IBM_TDB	OR	OFF	2003/12/17 21:19
S34	11	((electrochemical or fuel) adj cell) with (cut or cutting) with web and vacuum and (cut or cutter) and (robot or control or controlled or controller)	US-PGPUB; USPAT; IBM_TDB	OR	ON	2003/12/18 08:34

## EAST Search History

S35	11	((electrochemical or fuel) adj cell) with (cut or cutting) with web and vacuum and (robot or control or controlled or controller)	US-PGPUB; USPAT; IBM_TDB	OR	ON	2003/12/18 08:34
S36	20	((electrochemical or fuel) adj cell) same (cut or cutting) same web and vacuum and (robot or control or controlled or controller)	US-PGPUB; USPAT; IBM_TDB	OR	ON	2003/12/18 08:35
S37	7	((electrochemical or fuel) adj cell) same (cut or cutting) same web and vacuum and (robot or control or controlled or controller) and (camera or visual or optical or optic or image)	US-PGPUB; USPAT; IBM_TDB	OR	ON	2003/12/18 08:36
S38	39	("4138510"   "4243508"   "4252868"   "4294891"   "4421579"   "4623415"   "4661423"   "4666579"   "4673624"   "4769297"   "4793910"   "4804449"   "4818637"   "4824741"   "4826554"   "4865925"   "4931168"   "5084144"   "5108849"   "5173166"   "5187025"   "5234777"   "5240786"   "5242764"   "5252410"   "5262250"   "5264299"   "5266421"   "5290323"   "5316871"   "5364711"   "5432023"   "5453331"   "5472799"   "5482568"   "5631099"   "5641585"   "5681057"   "5759712").PN.	USPAT	OR	ON	2003/12/18 08:39
S39	4	((("5761793") or ("20020134501") or ("20020136940") or ("6500217"))).PN.	US-PGPUB; USPAT; USOCR; IBM_TDB	OR	OFF	2006/09/21 18:58
S40	1	("6585846").PN.	US-PGPUB; USPAT; USOCR; IBM_TDB	OR	OFF	2004/03/25 15:23
S44	8	(schukar-gary-william).in.	US-PGPUB; USPAT; IBM_TDB	OR	ON	2006/07/25 14:57

## EAST Search History

S45	98	("3,785,638") or ("4,636,276") or ("4,720,227") or ("5,256,030") or ("5,366,174") or ("5,899,341") or ("6197147") or ("20050126407") or ("3,291,282") or ("4,200,018") or ("4,362,380") or ("4,428,793") or ("5,334,431") or ("5,601,682") or ("5,788,796") or ("5,810,350") or ("5,989,386") or ("6,042,959") or ("6,210,524") or ("6,432,571") or ("6,742,561") or ("6,796,353") or ("6,855,178") or ("5910378") or ("6547229") or ("20030221311") or ("RE37,366E") or ("4,112,827") or ("4,668,324") or ("5,140,872") or ("5,588,967") or ("20020050200") or ("20030145697") or ("3539177") or ("2,710,234") or ("3,178,041") or ("3,285,112") or ("3,359,046") or ("3,380,788") or ("3,477,558") or ("3,861,259") or ("3,946,920") or ("4,143,871") or ("4,168,772") or ("4,236,814") or ("4,286,467") or ("4,360,260") or ("4,381,596") or ("4,676,862") or ("4,534,549") or ("4,591,139") or ("4,728,093") or ("4,784,380") or ("4,819,928") or ("4,887,858") or ("5,031,002") or ("5,048,182A") or ("5,061,337") or ("5,063,415") or ("5,078,375") or ("5,133,543") or ("5,383,270") or ("5,443,602") or ("5,456,871") or ("5,556,499") or ("5,596,897") or ("5,761,793") or ("5,762,753") or ("5,783,024") or ("5,791,185") or ("5,989,747") or ("6,007,660") or ("6,059,003") or ("6,066,409") or ("6,159,327") or ("6,224,203") or ("6,241,839B1") or ("6,326,097") or ("6,347,585B1") or ("6,405,779") or ("6,419,217") or ("6,500,217B1") or ("6,733,912") or ("20020014509") or ("20020134501") or ("20020136940") or ("20030188413") or ("20030190226") or ("20030188616") or ("20030188824") or ("20030188832") or ("20030188615") or ("20030191021") or ("20030188418") or ("20030190521")).PN.	US-PGPUB; USPAT; USOCR; IBM_TDB	OR	OFF	2006/09/21 19:09
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## EAST Search History

S46	38736	((cut or cutting or cutter) with (sheet or web or membrane)) and (suction or vacuum)	US-PGPUB; USPAT; IBM_TDB	OR	ON	2006/09/22 11:07
S47	1623	((cut or cutting or cutter) with (sheet or web or membrane)) and ((suction or vacuum) near (moving or moveable or move or moved or belt))	US-PGPUB; USPAT; IBM_TDB	OR	ON	2006/09/22 11:09
S48	1130	((cut or cutting or cutter) near (sheet or web or membrane)) and ((suction or vacuum) near (moving or movable or moveable or move or moved or conveyor or belt))	US-PGPUB; USPAT; IBM_TDB	OR	ON	2006/09/22 11:10
S49	684	((cut or cutting or cutter) near (sheet or membrane)) and ((suction or vacuum) near (moving or movable or moveable or move or moved or conveyor or belt))	US-PGPUB; USPAT; IBM_TDB	OR	ON	2006/09/22 11:11
S50	12	((cut or cutting or cutter) near (sheet or membrane)) and ((suction or vacuum) near (moving or movable or moveable or move or moved or conveyor or belt)) and (fuel adj cell)	US-PGPUB; USPAT; IBM_TDB	OR	ON	2006/09/22 11:15
S51	298	((cut or cutting or cutter) near (sheet or membrane)) and ((suction or vacuum) near (moving or movable or moveable or move or moved or conveyor or belt)) and (camera or sensor or video)	US-PGPUB; USPAT; IBM_TDB	OR	ON	2006/09/22 11:17
S52	207	((cut or cutting or cutter) near (sheet or membrane or web)) and ((suction or vacuum) near (moving or movable or moveable or move or moved or conveyor or belt)) and (camera or sensor or video) and ((sheet or membrane or web) with (thick or thickness))	US-PGPUB; USPAT; IBM_TDB	OR	ON	2006/09/22 11:17
S53	90	((cut or cutting or cutter) near (sheet or membrane or web)) and ((suction or vacuum) near (moving or movable or moveable or move or moved or conveyor or belt)) and (camera or sensor or video) and ((sheet or membrane or web) near (thick or thickness))	US-PGPUB; USPAT; IBM_TDB	OR	ON	2006/09/22 15:11



## EAST Search History

S54	67	((cut or cutting or cutter) near (sheet or membrane or web)) and ((suction or vacuum) near (moving or movable or moveable or move or moved or conveyor or belt)) and (camera or optical or video) and ((sheet or membrane or web) near (thick or thickness))	US-PGPUB; USPAT; IBM_TDB	OR	ON	2006/09/22 15:11
S55	25	((cut or cutting or cutter) near (sheet or membrane or web)) and ((suction or vacuum) near (moving or movable or moveable or move or moved or conveyor or belt)) and (camera or optical or video) and ((sheet or membrane or web) near (thick or thickness)) and (inspect or inspected or inspecting or inspection)	US-PGPUB; USPAT; IBM_TDB	OR	ON	2006/09/22 15:12
S56	31	((cut or cutting or cutter) near (sheet or membrane or web)) and ((suction or vacuum) near (moving or movable or moveable or move or moved or conveyor or belt)) and (camera or optical or video) and ((sheet or membrane or web) near (thick or thickness)) and (quality or inspect or inspected or inspecting or inspection)	US-PGPUB; USPAT; IBM_TDB	OR	ON	2006/09/22 15:12
S57	4	((cut or cutting or cutter) near (sheet or membrane or web)) and ((suction or vacuum) near (moving or movable or moveable or move or moved or conveyor or belt)) and (camera or optical or video) and ((sheet or membrane or web) near (thick or thickness)) and (quality with (inspect or inspected or inspecting or inspection))	US-PGPUB; USPAT; IBM_TDB	OR	ON	2006/09/22 15:12